

Evidence Based Research Network

how can it help to address this challenge

Systematic reviews guiding future research: opportunities and challenges

on behalf of the EBRNetwork

Hans Lund

Denmark & Norway

Background



Bergen University College 2013 - Centre for Evidence-Based Practice



Application for a new PhD program

Background



Common theme was demanded.

The scandalous failure of
scientists to cumulate
scientifically

Iain Chalmers

Editor, *James Lind Library*

jmeslindlibrary.org



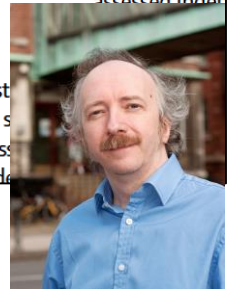
Correspondence

See Comment page 10

**Clinical trials should
begin and end with
systematic reviews of
relevant evidence:
12 years and waiting**

May, 2009. O
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If a new clinical trial is to be just
both scientifically and ethically it s
be designed in the light of an assess
of relevant previous research id



Background



Suggestion:

All PhD students should learn to prepare and use a systematic review as foundation for their PhD projects.

Was their study relevant and important?

They should be **EVIDENCE-BASED!**

Background



Further literature search:


Karen Robinson:
"Evidence-based research is one way to reduce waste in the production and reporting of trials" (page 123)

USE OF PRIOR RESEARCH IN THE JUSTIFICATION AND INTERPRETATION OF CLINICAL TRIALS

by
Karen A. Robinson, MSc

A dissertation submitted to Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy

Baltimore, Maryland
October 2009



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RESEARCH AND REPORTING METHODS | *Annals of Internal Medicine*

A Systematic Examination of the Citation of Prior Research in Reports of Randomized, Controlled Trials

Karen A. Robinson, PhD, and Steven N. Goodman, MD, MHS, PhD

Background: A randomized, controlled trial (RCT) should not be started or interpreted without accounting for evidence from preceding RCTs addressing the same question. Research has suggested that evidence from prior trials is often not accounted for in reports of subsequent RCTs.

Objective: To assess the extent to which reports of RCTs cite prior trials studying the same interventions.

5 or more prior trials to cite, 254 (23%) cited no prior RCTs and 257 (23%) cited only 1. The median number of prior cited trials was 2, which did not change as the number of citable trials increased. The mean number of preceding trials cited by trials published after 2000 was 2.4, compared with 1.5 for those published before 2000 ($P < 0.001$).

Limitation: The investigators could not ascertain why prior trials

Background

To be able to be "evidence-based" in our research we needed knowledge, skills and international collaboration.



By snowballing invitations to establish an international network for evidence-based research in Bergen.

Background

To be able to be "evident"
research we
inter

**“Strictly speaking it seems hard to imagine any research not evidence-based.
At least it seems impossible to imagine that articles published in journals with a high impact factor do not relate to earlier research”**

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research in Berger



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The Bergen Meeting



The Bergen Meeting



At the 'Bergen meeting' (December 2014) partners agreed the aim of the EBRNetwork is to **reduce waste in research by promoting:**

- **No new studies without prior systematic review of existing evidence**
- **Efficient production, updating and dissemination of systematic reviews**

ACTIONS



1. Website: <http://ebrnetwork.org>
2. The Bergen Statement on EBR submitted
3. A systematic review of studies evaluating EBR among researchers under preparation
4. Database over EBR relevant papers
5. Promoted EBR at several conferences
6. The network is a forum to share experience and discuss how to be evidence-based in our research
7. Improving the production and updating of SR: DIGEST (Meeting on Friday Oct. 2nd faced that issue)

PLANS



1. International conference on EBR
2. Publish papers about
 1. Implications of EBR for researchers, funders, ethic committees, editors/reviewers, educators, patients etc.
 2. How to prepare and use a SR in clinical studies, in humanistic studies, in animal studies and other mechanism studies, in epidemiological studies
 3. A paper dealing with how to know when enough studies has been published within a specific question
3. Develop educational tool kits for using SR in research

You can ...



1. Become a personal member of the network
2. Support the network by participating in activities OR by helping raising funding for the network
3. Associate your organisation in a partnership with EBRNetwork



<http://ebrnetwork.org>



The Evidence-Based Research Network